

**IN THE CLAIMS:**

Please cancel claims 1-3 without prejudice to or disclaimer of the subject matter recited therein.

Please add new claims 4-5 as follows:

**LISTING OF CURRENT CLAIMS**

Claims 1-3. (Canceled)

4. (New) A biosensor monitor for use in measuring bioanalyte comprising:

- a) a test strip;
- b) a lancet;
- c) a lower protective cover;
- d) a lancing device having:
  - i) an inner tube connected to the lower protective cover and having inner tube teeth;
  - ii) a smaller spring;
  - iii) a connecting rod inserted into an interior of the inner tube and having a protrusion, the smaller spring biasing the connecting rod outwardly from the interior of the inner tube, the inner tube teeth engaging with and forcing the connecting rod to rotate within the inner tube as the connector rod moves axially within the inner tube;
  - iv) an adapter located between the smaller spring and the connecting rod, the adapter connecting the connecting rod to the smaller spring;
  - v) a larger spring located around the inner tube;
  - vi) an outer tube having an outer tube slope and outer tube teeth located on an inner wall thereof, the inner tube is partially inserted into an interior at a first end of the outer tube, the connecting rod, the adapter and the smaller spring are located in the interior of the outer tube, the protrusion of the connecting

- rod engaging the outer tube teeth and the inner tube teeth, the outer tube being pressed by the larger spring and selectively sliding toward the lancet cover and away from the inner tube, when a fingertip pushes on the lancet cover and hence the outer tube, the teeth on the inner rim of the outer tube forcing the protrusion of the connecting rod to rotate and triggering a release of the lancet holder, the lancet holder moving toward the fingertip; and
- vii) a lancet holder located in the interior of a second end of the outer tube and having a lancet cover slope, the lancet is located in the lancet holder, a lancet holder engaging with the connecting rod, the lancet holder sliding along the interior of the outer tube without rotating as the connecting rod rotates, outer tube slope of the outer tube engaging with the lancet cover slope on the lancet cover and selectively adjusting a depth of the lancet; and
- e) an upper protective cover connected to the lower protective cover and having:
- i) an electronic circuit board located on an interior thereof and analyzing an electrochemical reaction of the test strip with the bioanalyte;
  - ii) an LCD monitor electrically connected to the electronic circuit board and displaying results from the electrochemical reaction of the test strip with the bioanalyte; and
  - iii) an opening, the test strip is removably inserted into the opening, the lancing device is located in an end of the upper housing;
- f) a monitor cover having:
- i) a protective cap connected to the upper protective cover and the lower protective cover and having a hole and a protrusion located on an inner rim of the hole; and

- ii) a lancet cover located on an interior of the protective cap and having a plurality of grooves, a lance cover slope, and a hole, the protrusion of the protective cap is located in a selected groove of the plurality of grooves, the lance cover slope engaging the outer tube and selectively adjusting the depth of the lancet.

5. (New) The biosensor monitor according to claim 4, further comprising a communication port located on the upper protective cover and the lower protective cover and electrically connected to the electronic circuit board.